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DEPARTMENT OF HORSE-BREEDING OPERATIONS.

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ANNUAL ADMINISTRATION REPORT

OF THE

BOMBAY PRESIDENCY

FOR THE

OFFICIAL YEAR 1884-85.

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No. 692 OF 1885.

To

THE SECRETARY TO GOVERNMENT,

REVENUE DEPARTMENT,

Bombay.

Office of the Superintendent,
Department of Horse-Breeding Operations,
Bombay Presidency,
Dated, 9th June 1885.

SIR,

I have the honour to submit for the consideration of His Excellency the Governor in Council the Annual Administration Report of the Department of Horse-Breeding Operations in the Bombay Presidency for the official year 1884-85.

The delay in submitting this is owing to the returns not having been received in time.

I have the honour to be,
Sir,
Your most obedient Servant,
J. K. GRAINGER,
Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

GOVERNMENT OF BOMBAY.

DEPARTMENT OF HORSE-BREEDING OPERATIONS.

ANNUAL ADMINISTRATION REPORT FOR THE OFFICIAL YEAR 1884-85.

Like last year I will divide this report into two parts.

Firstly.—General observations on the operations of this department.

Secondly.—The statistical returns.

2. Among the general operations of this department I must first notice my tours of inspections which have this year embraced the Pálanpur Superintendency, Kaira District, part of the Cutch country, and also certain portions of Sind, Ahmedábád, &c. In the course of these tours I have been enabled to make a number of interesting observations on the suitability of the districts travelled over for horse, mule, and pony-breeding.

3. I am much indebted to the courtesy of several civil officers of these districts. Colonel LeGeyt, Political Superintendent of the Pálanpur Superintendency, requested me to make a tour of inspection of Pálanpur with a view to the examination of the horse stock in general, and the selection of mares suited for breeding purposes. Colonel Phillips, the Political Agent of Cutch, has exhibited the greatest interest in forwarding the objects of the department, and it is satisfactory that his successor, Colonel Goodfellow, also showed zeal in the same direction.

4. The views of these two officers have been amply in accordance with those of His Highness the Ráv of Cutch, to whom in November last was presented, on my recommendation, the silver medal of the Government of India by His Excellency the late Governor. I regret that pressure of official duty prevented my attending at this interesting ceremony; but later in the year I was enabled to inspect at Bhúj the breeding establishment of His Highness. It gives me great pleasure to express my approval of the intelligence and zeal shown by Mr. Ludha, the Native Superintendent of the Darbári brood mares and young stock at Changalrai. Of the mares from the Darbári stables I branded 23. I found at the Government stallions' stables that the animals were in excellent condition and well cared for; I was informed that they are much liked by the breeders. The Political Agent requested me to supply one more stallion, an English thorough-bred, and I hope to be able to meet his wishes as soon as I can make out if there is actually work for another horse.

5. With Colonel Goodfellow I waited on His Highness the Ráv at Mundra and ascertained that he intends to have an annual Horse Show as a stimulus to private breeding enterprise, and that he is prepared to give Rs. 1,500 for the contemplated Show. I have been requested by the Political Agent to draw up a prospectus and have promised to do so as soon as the dates for Horse Shows have been fixed.

6. With a view to assisting His Highness the Ráv in horse-breeding, in which he takes such a great interest, I propose in the coming year to make a further and more lengthened tour through Cutch, and the Political Agent has kindly promised to draw up for my approval a programme of route through the most likely breeding districts. A small Show was held at Bhúj in November during the installation of His Highness.

7. Another evidence of appreciation by Native magnates of Government efforts to develop the horse supply of this Presidency was afforded me at Tharád, where I was met by the son of the Darbár on behalf of his father, who was absent on a pilgrimage to Násik. He made several intelligent enquiries on

the subject of horse-breeding and brought a country-bred stallion for me to see. It was a good looking one, though rather deficient in quality. He expressed a wish to have a Government stallion located in the neighbourhood and had collected many mares for my inspection, which I found to be for the most part good looking, roomy, and well suited for horse-breeding.

8. At Rádhanpur I found that the Kárbhári of the Darbár objected to the Government brand; but yielded on explanation as to its real meaning when assured that Government laid no claim to, or restriction on, the produce of branded mares. At this place I inspected the stallions of the Darbár, which are of the Káthi breed, deficient in power and quality and with crooked hind legs. I was here shown two fillies, the produce of Government stallions which, in accordance with my advice, were sent to Ahmedábád Horse Show, and received diplomas.

9. At Deodar the zamíndárs at first refused to allow their mares to be branded; but they yielded to persuasion and on being told that only branded mares would be eligible for the services of Government stallions, the excellencies of which the zamíndárs fully appreciated. They represented that the stallion stand at Deesa is far away, but I question whether a stallion can be spared for Deodar. Indeed it seemed to me that if a Government stallion be located in this part of the country Tharád would be more suitable in many ways.

10. The Mámlatdár of Ánand and Mehmadábád exhibited considerable indifference in collecting mares for branding, and the Mámlatdár of Dholká seemed indifferent to acceptance of such information as I was in a position to give him. Thus although the Assistant Collector of Ahmedabad had requested me to enquire into a disease reported to be prevalent amongst the cattle, the Mámlatdár stated that no disease prevailed and he had no wish for instructions; but on the other hand some Native officials, such as the Tahsildár of Sántalpur and the Mámlatdár of Dhandhuká, showed zeal in performance of their duty of collecting mares. The latter had collected some 15 mares for my inspection, some of which I rejected; upon which the owners of the rest refused to receive the brand and did not prove open to persuasion. It seems to me that few mares remain to be branded in that part of the district.

11. The conclusions which I have aimed at from my tour in the Pálanpur Superintendency are that certain places are well suited for horse-breeding, whereas others are barren and decidedly not adapted for the production of good horse stock. In the former class I should include Tharád, Wáv, Rádhanpur, Pálanpur and Deodar; but I consider Suigaum, Morewara, Warahi, and Summee not likely to give good returns.

12. The question of the distribution of the Government stallions in this Superintendency in the manner best suited to induce the owners of branded mares to avail themselves of their services is one of considerable difficulty. There can be no doubt that Deesa is somewhat difficult of access and, as a matter of fact, seldom visited. Therefore I have suggested that one stallion be placed at Tharád if good stabling and supervision be given. I have addressed the Political Agent accordingly.

13. From my tour in the Kaira District I came to the conclusion that as regards *horse*-breeding the district is useless; but I am of opinion that good *ponies* and *mules* might be produced there. It seems that all eligible mares have now been branded; I therefore think that it will be unnecessary to make a tour in this district for some years to come and the rule restricting the use of Government stallions to branded mares should be strictly enforced. It has hitherto been relaxed in this district.

14. I was prevented by snow in the Bolan from proceeding to Quetta and Peshin, as I had intended, but I hope that in future the Sind tour can be arranged far later in the year, when travelling will be much more practicable.

15. At Sibi I was unable to brand any mares although over 300 were exhibited in the unbranded class because the sudden heavy fall of rain dispersed owners with their mares to their homes.

Number present.

59. The number of donkey stallions present on the 31st March 1885 is as follows :—

Spanish	1
Bokhara	1
Italian	5
Persian	3
Arab	3
Total ...	13

Classification.

60. These have been classified as follows. (*See* Appendix XVI.) :—

Very good	5
Good	5
Fair	3
Total ...	13

Cost of feed, &c., &c.

61. The cost of maintenance of the donkey stallions is given in Appendix XVII. The donkey lent to the Sind Horse continues to be maintained by that Regiment. The general average is Rs. 240-13-10⅛, which shows an increase of Rs. 46-9-2⅛ over last year. The reasons for the increase are the same as those given in paragraph 35 of this report.

Mule-stock—Number of.

62. Appendix XVIII. shows the results from the coverings of 1883-84, which gives the total of 28. This shows an increase of 14 over last year.

63. Appendix XIX. is a general statement showing the Horse Shows held in the Presidency during the year. A new Horse Show was held at Sibi on the 12th of January 1885, the cost of which was defrayed by the Beluchistán Agency. The Show was a great success. I have not received the return and hence it is not entered in the above Appendix. During the year Máheji Show was abolished by order of Government. I attended all these Shows and have given my remarks on all the Horse Shows excepting Ahmedabad, the report on which has not been sent to me as is usually done.

64. The amount paid by Government for these Shows is Rs. 8,370 ; this shows a decrease of Rs. 2,296-14-6 over last year.

65. Appendix XX. is a general statement of expenditure incurred during the year under report.

66. The expenses incurred for the Superintendent and his office establishment are Rs. 6,939-11-0 ; this shows a decrease of Rs. 12-0-3 over last year.

67. The total, Rs. 57,753-10-3, may be divided as follows :—

	Rs.	a.	p.
1. Cost of supervision and establishment	11,737	14	2
2. Purchase and keep of stallions and Horse Shows, &c. .	46,015	12	1
Total ...	57,753	10	3

68. This shows an increase of Rs. 8,047-8-0, which is mainly due to the causes given in paragraph 35 of this report. Out of the total expenses Rs. 9,845-1-6 are debited to Local Funds and Rs. 45,881-5-10 to Provincial Revenues and Rs. 2,027-2-11 are paid by the Beluchistán Agency, and hence Rs. 55,726-7-4 have been spent out of the amount sanctioned for this department.

69. The following figures represent the amount paid by Government for Horse Shows during the preceding six years :—

	Rs.	a.	p.
In 1878-79	7,293	10	6
„ 1879-80	7,141	1	0
„ 1880-81	9,184	14	0
„ 1881-82	10,515	11	4
„ 1882-83	11,866	8	0
„ 1883-84	10,666	14	6

70. Rs. 9,385-10-0 were spent on account of purchase of horses; the average per annum for the last six years was Rs. 5,814-9-8.

71. There is an increase in the amount of stallions, keep, &c., for reasons of which see paragraph 35 of this report. This year the expenses under this head are Rs. 23,114-11-4, excluding Beluchistán. Last year the expenditure under this head was Rs. 23,269-2-2. Thus there is a decrease of Rs. 154-6-10. The following figures represent the expenditure during the last seven years:—

In 1878-79	the keep of	$47\frac{8}{12}$	stallions cost	Rs.	19,674	12	3
„ 1879-80	„	$51\frac{7}{12}$	„	„	18,484	1	3
„ 1880-81	„	$51\frac{4}{0}$	„	„	15,646	2	9
„ 1881-82	„	65·81	„	„	17,755	5	8
„ 1882-83	„	73·32	„	„	19,600	15	6
„ 1883-84	„	72·78	„	„	23,269	2	2
„ 1884-85	„	70·28	„	„	23,114	11	4

J. K. GRAINGER,

Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIX I.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

General Abstract of Casualties of Horse Stallions during the official year 1884-85.

Provinces.	Died.				Destroyed.		Grand Total.	Remarks.
	Norfolk Trotter.	Arab.	Pegu.	Total.	Arab.	Total.		
Deccan	1	1	1	3	5	5	8	
Gujarát and Káthiáwár ...	...	1	...	1	...	...	1	
Sind and Cutch	...	1	...	1	1	1	2	
Total ...	1	3	1	5	6	6	11	
	Average death 6·6 per cent.				Average of stallions destroyed. 8 per cent.			
	General Average ...14·6 per cent.							

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APPENDIX II.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Casualty Roll of Horse Stallions during the official year 1884-85.

Number.	English Name.	Native Name.	Caste.	Description of Casualty.	Date of Casualty.	Nature of Casualty.
1	"Starbeam" ...	.....	Arab ...	Died ...	13th April 1884.	(Enteritis). Inflammation of the bowels.
2	"Commissioner"	.....	Pegu ...	Do. ...	4th May „ .	Choking.
3	"Punhu" ...	.....	Arab ...	Do. ...	29th „ „ .	(Enteritis). Inflammation of the bowels.
4	"Mootrib" ...	.....	N. T. E. ...	Do. ...	14th Feb. 1885.	Pyœmia.
5	"Don Juan" ...	.....	Arab ...	Do. ...	27th March „ .	Colic.
6	"Curacoa" ...	.....	Do. ...	Destroyed...	10th April 1884 .	Old and worn out.
7	.....	"Trimbakji"	Do. ...	.....	3rd June „ .	Injured back and loins.
8	"Little John"...	.....	Do. ...	.....	6th „ „ .	Ringbone.
9	"Anderson" ...	"Máruti" ...	Do. ...	.....	4th July 1884.	Impotent.
10	.....	"Shikra" ...	Do. ...	.....	22nd Sept. „ .	Disease of loins and sheath.
11	.....	"Sháháji"...	Do. ...	.....	2nd Oct. „ .	Dropsy and general debility.

J. K. GRAINGER,

Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIX III.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Statement of Stallions sold by Public Auction during the official year 1884-85.

Serial Number.	English Name.	Native Name.	Class.	Date of Sale.	Name of Purchaser.	Amount sold for	Remarks.
1	"Skirmisher"	....	Arab	18th April 1884	Unknown	68 0 0	Old and worn out.
2	....	"Hira"	....	16th May „	Do.	155 0 0	Paralysis of hind quarter.
3	"Jim"	....	....	17th July „	Do.	100 0 0	Old and worn out.
4	"President"	....	....	16th August „	Pirozsha Barjorji	54 4 0	Disease of testicles and scrotum.
5	"Iron Duke"	....	....	8th November „	Framji Ardesir	235 7 6	Impotent.
6	....	"Sayad"	....	12th January 1885	Major Heyland	515 0 0	Unfit for stud work.
7	"Peeler"	....	....	24th March „	K. S. Noormehomedkhân	70 0 0	Old and worn out.
8	....	"Ul-Inddee"	....	Do.	Do. do.	117 0 0	Do.

J. K. GRAINGER,
Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIX IV.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Statement showing Classification and Distribution of Horse Stallions attached to the Deparment of Horse-Breeding Operations during the official year 1884-85.

Classes of Stallions.	DECCAN.						GUJARA'T AND KA'THIA'WA'R.					SIND AND CUTCH.					BELUCHISTA'N.					Grand Total.
	Very good.	Good.	Fair.	Bad.	Not seen.	Total.	Very good.	Good.	Fair.	Bad.	Total.	Very good.	good.	Fair.	Bad.	Total.	Very good.	Good.	Fair.	Bad.	Total.	
Thorough-bred English	2	..	..	..	1	3	3	1	..	..	4	...	..	..	..	..	1	..	..	..	1	8
Half-bred English, including Norfolk Trotters	3	1	..	..	1	5	1	..	..	..	1	4	..	..	..	4	1	..	..	..	1	11
Australian	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	1
Arab	10	13	6	..	..	29	5	4	3	1	13	6	5	1	.	12	1	..	..	..	1	55
Pegu	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	15	14	6	..	2	37	9	5	3	1	18	11	5	1	...	17	3	..	..	..	3	75

J. K. GRAINGER,
Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIX V.

GOVERNMENT OF BOMBAY.

Horse-Breeding Operations.

Statement showing Cost of Feed, Keep, Attendants, &c., &c., of Horse Stallions during the official year 1884-85.

Provinces.	Districts.	Number of Stallions or Days.	Total Annual Cost.	Average per Horse Stallion per Annum.	General Average in each Province.
			Rs. a. p.	Rs. a. p.	Rs. a. p.
Deccan	Sirúr	1,825	1,210 1 10	242 0 4⅘	295 5 3½
	Supa	1,453	1,054 10 8	264 14 11¾	
	Bárámati	1,095	932 1 0	310 11 0	
	Indápur	791	562 10 0	259 9 10¾	
	Ahmednagar	3,048	2,678 1 11	320 11 3½	
	Sholápur	730	661 15 2	330 15 7	
	Kaládgi	335	410 9 3	447 5 6½	
	Belgaum	576	785 0 1	497 7 0¾	
	Sátára	565	543 15 8	351 6 8	
	Násik	730	504 12 5	252 6 2½	
	Khándesh	2,770	1,917 8 8	252 10 0⅕	
	Total	13,918	11,261 6 8	.....	.....
Gujarát and Káthiáwár.	Kaira	730	621 1 1	310 8 6½	330 4 8⅘
	Ahmedábád	2,205	1,922 8 4	318 3 10	
	Deesa	834	941 10 10	412 1 11	
	Káthiáwár	2,570	2,250 15 6	319 11 0¼	
	Total	6,339	5,736 3 9	.....	.....
Sind and Cutch	Cutch	1,460	1,331 10 7	332 14 7	413 12 4½
	Karáchi	164	310 9 11	691 5 1	
	Hyderabad	730	736 11 11	368 5 11½	
	Thar and Párkar	271	359 10 8	484 6 9	
	Shikárpur	1,387	1,458 2 3	383 11 6	
	Jacobábád	1,384	1,920 3 7	506 6 8⅕	
	Total	5,396	6,117 0 11	.....	.....
Beluchistán	Beluchistán	1,391	2,027 2 11	531 14 11½	531 14 11½
	Total	1,391	2,027 2 11	.....	.....

ABSTRACT.

	Rs. a. p.
Deccan	295 5 3½
Gujarát and Káthiáwár	330 4 8⅘
Sind and Cutch	413 12 4½
Beluchistán	531 14 11½
General Average	339 5 3

J. K. GRAINGER,
Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIX VII.

Index to the Map of Horse-Breeding Operations in the Bombay Presidency for the official year 1884-85.

Number of Stands.	Names of Stallions' Stands.	Names and Class of Horse Stallions.			Number of branded Mares present on the 1st April 1884.		Add.				Total.	Grand Total.	Deduct.										Balance remaining on the 1st April 1885.
		Native Name.	English Name.	Class.			Since branded.		Received by transfer.				Died during the year.		Sold during the year.		Transferred to other Districts.		Stolen.		Transferred to Foreign Country and omitted to be brought on Register.		Total.
					Horse.	Pony.	Horse.	Pony.	Horse.	Pony.			Horse.	Pony.	Horse.	Pony.	Horse.	Pony.	Horse.	Pony.	Horse.	Pony.	
1	Sirúr	.....	"Tam O'Shanter" ...	T. B. E. ...	135	5	28	2	1	...	31	171	1	...	...	...	...	...	...	...	...	...	1
	Do.	.....	"Luminary" ...	N. T. E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	170
	Do.	.....	"Orator"	Arab ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	..
	Do.	.....	"Punch"	Do. ...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
	Do.	.....	"Lottery"	Do. ...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	..	...	...	...	..
2	Supa	.....	"Comet"	N. T. E. ...	122	2	6	3	...	...	9	133	1	...	...	...	...	...	...	...	...	...	...
	Do.	.....	"Ariel"	Arab ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2
	Do.	"Chinkara"	.....	Do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	131
3	Bárámati	"Nirghor"	.....	Do. ...	40	...	...	...	...	...	...	40	3	...	...	...	...	...	...	...	...	...	...
	Do.	"Tannaji"	.....	Do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	"Kajwa"	"Firefly"	Do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
4	Indápur...	"Siváji"	.....	Do. ...	38	...	5	...	..	...	5	43	2	...	...	...	1	...	...	...	...	...	3
	Do.	"Kumáyat"	.....	Do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	...	9
5	Ahmednagar	.....	"Contract"... ...	N. T. E. ..	116	10	7	6	...	...	13	139	5	...	...	...	...	...	...	...	...	...	9
	Do.	.....	"Lucifer"	Do. ...	...	...	...	...	...	...	...	...	...	.	...	...	...	...	...	...	...	...	...
	Do.	.....	"Despatch" ...	Do. ...	...	...	..	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	.....	"Songster"... ...	T. B. E. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	.....	"Allan Bane" ...	Do. ...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...
	Do.	"Dandy"	.....	Arab ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	—	...
6	Shrígonda	"Deshmook"	.....	Do. ...	74	1	4	1	...	..	5	80	4	...	...	...	...	...	...	...	...	...	...
7	Ráhuri	.....	"Curtas"	Do. ...	61	3	...	4	...	...	4	68	...	...	...	...	...	...	...	...	...	...	...
8	Sholápur	.....	"Grey Dawn" ...	Do. ...	19	1	...	...	...	...	...	20	...	...	...	...	...	...	...	...	...	...	4
9	Sángola	.....	"Hermit"	Do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Bijápur	"Motirám"	.....	Do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
11	Athni	.....	"Rizak"	Do. ...	...	...	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
12	Sátára	.....	"Spider"	Do. ...	...	...	1	...	..	...	1	1	...	...	...	...	...	...	...	...	...	...	...
13	Tásgaon	.....	"Kingcraft" ..	Do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	Násik	"Bhosley"	.....	Do. ...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
15	Málegaon	"Sháo Raja"	.....	Do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
16	Dhulia	"Abdulla"	.....	Do. ...	9	20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	.....	"Lieutenant" ...	Do. ...	...	...	...	...	...	...	...	29	...	...	...	...	...	...	...	...	...	...	...
17	Chálisgaon	.....	"Bowleg"	Do. ...	9	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	.....	"Tom-Boy" ...	Do. ...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	29
18	Chopda	.....	"Red Deer" ...	Do. ...	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19	Sávda	"Nána"	.....	Do. ...	3	6	...	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	11
20	Jámner	"Káldar"	.....	Do. ...	30	19	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...
21	Dharangaon	.....	"Pinto"	Do. ...	...	...	...	...	...	...	...	49	...	...	...	—	...	...	...	...	...	...	4
													...	...	...	...	...	...	...	...	...	...	9
													...	...	...	...	...	...	...	...	...	...	49
													...	...	...	...	...	...	...	...	...	...	...

22	Kaira	...	...	"Nuzzur"	...	...	.....	Arab	...	78	80	9	30	...	...	39	197	1	...	...	...	...	...	...	...	...	...	1	196
	Do.	...	...	.....			"Pearl" ...	Do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23	Ahmedábád	...	...	.....			"Cottenham"	T. B. E.	...	203	47	51	61	...	...	112	362	...	...	...	...	...	...	...	...	...	...	...	362
	Do.	...	...	.....			"Inspector"...	Do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	...	...	.....			"Merylegs"...	Arab	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	...	...	.....			"Hampton"...	T. B. E.	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	...	...	"Sindia"	...	...	.....	Arab	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24	Parántij	...	...	.....			"Rufus" ...	Do.	...	22	8	7	9	...	...	16	46	...	...	...	...	...	...	...	...	...	...	...	46
25	Deesa	...	...	"Táhlim"	...	..	.....	Do.	...	171	...	175	...	...	...	175	346	...	...	...	...	...	...	...	...	...	...	...	346
	Do.	...	...	"Kohinoor"	...	...	.....	Do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	...	...	.....			"Pickle" ...	T. B. E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26	Rájkot	...	...	.....			"Marmion"...	Arab	...	31	...	...	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	31
27	Vánkáner	...	...	.....			"Disraeli" ...	Do.	...	79	...	...	...	...	...	...	79	...	...	...	...	...	...	...	...	...	...	...	79
28	Kundla	...	...	.....			"Kháldar" ...	Do.	...	59	...	...	...	...	...	...	59	...	...	...	...	...	...	...	...	...	...	...	59
29	Wadhwán	...	...	.....			"Mint Master"	Do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	Bhávnagar	...	...	.....			"Lachin" ...	Do.	...	88	...	...	...	...	...	...	88	...	...	...	...	...	...	...	...	...	...	...	88
31	Jetpur	...	...	.....			"Grumbler"	Do.	...	...	...	8	...	...	...	8	8	...	...	...	...	...	...	...	...	...	...	...	8
32	Morvi	...	...	.....			"Sepoy" ...	N. T. E.	...	93	...	...	...	...	...	...	93	...	...	...	...	...	...	...	...	...	...	...	93
33	Bhúj	...	...	"Bahirwatia"...			.....	Arab	...	182	...	99	...	...	...	99	281	...	...	...	...	...	...	...	...	...	...	...	281
	Do.	...	...	"Torna"	...	...	.....	Do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	...	...	.....			"Lord Napier"	Do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	...	...	"Gáikwár"	...	...	"Melbourne"	N. T. E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34	Shewan	...	...	.....			"Sir James"	Arab	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
35	Hyderabad	...	...	.....			"Moonstone"	Do.	...	28	...	30	...	...	...	30	58	...	...	...	...	...	...	...	...	...	...	...	58
	Do.	...	...	"Dwárka"	...	...	.....	Do.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
36	Umarkot	...	...	"Khátán"	...	...	.....	Do.	...	15	1	11	...	...	...	11	27	...	...	...	...	...	...	...	...	...	...	...	27
37	Shikárpur	...	...	"Vazir"	...	...	"Ex-Premier"	N. T. E.	...	128	3	14	...	...	...	14	145	...	...	...	...	...	...	...	...	...	...	...	145
38	Lárkhána	...	...	"Khabutar"	...	...	.....	Arab	..	78	...	3	...	...	...	3	81	...	...	...	...	...	...	...	...	...	...	...	81
	Do.	...	...	.....			"Planet" ...	T. B. E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Do.	...	...	"Rangoon"	...	...	.....	Arab	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
39	Kashmor	...	...	.....			"Bluelight"...	Australian	...	...	...	2	...	...	...	2	2	...	...	...	...	...	...	...	...	...	...	...	2
	Do.	...	...	.....			"Silvertail"...	Arab	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
40	Jacobábád	...	...	"Sháhápur"	...	...	.....	Do.	...	236	11	14	...	...	...	14	261	...	...	...	...	...	...	...	...	...	...	...	261
	Do.	...	...	.....			"Cupid" ...	N. T. E.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
	Do.	...	...	.....			"Nicholas" ..	Arab	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
41	Sibi	...	...	.....			"Forgery" ...	T. B. E.	...	44	...	...	...	...	...	...	44	...	...	...	...	...	...	...	...	...	...	...	44
	Do.	...	...	"Sháhr"	...	...	.....	Arab	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
42	Quetta	...	...	.....			"Trustee" ...	N. T. E.	...	35	...	...	...	...	...	...	35	...	...	...	...	...	...	...	...	...	...	...	35
																															...

J. K. GRAINGER,

Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

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APPENDIX VIII.

GOVERNMENT OF BOMBAY.

MULE-BREEDING OPERATIONS.

Index to Map of Mule-Breeding Operations during the official year 1884-85.

Number of Stands.	Names of Stands.	Names and Classes of Donkey Stallions.			Number of branded Mares present on the 1st April 1884.	Add.			Grand Total.	Deduct.					Balance remaining on the 1st April 1885.	Remarks.
		Native Name.	English Name.	Classes.		Since branded.	Received by Transfer from other District.	Total.		Died during the year.	Sold during the year.	Transferred to other District.	Stolen.	Total.		
1	Sirur	"Patwarri" ...	.....	Italian .	48	...	2	2	50	...	...	...	...	...	50	
2	Ahmednagar ...	"Khandoba" ...	.....	Do. .	72	...	...	...	72	6	...	2	...	8	64	
3	Bhusával ...	"Neddy" ...	.....	Arab ...	8	...	...	...	8	...	...	...	...	...	8	
4	Dhulia ..	"Muley" ...	.....	Spanish.	7	...	...	...	7	...	...	...	...	...	7	
5	Bhúj	"Kamarputta"...	.....	Italian .	45	...	...	...	45	...	...	...	...	...	45	
6	Hyderabad ...	"Khandáhári"...	.....	Bokhara.	...	...	...	...	...	...	...	...	...	...	...	
	.....	"Pindi" ...	.....	Italian .	...	...	...	...	...	...	...	...	...	...	...	
7	Umarkot ...	... ..	"Boanerges" ...	Arab ...	...	...	...	...	...	...	...	...	...	...	...	
8	Shikárpur ...	"Shikárdár" ...	.....	Italian .	11	...	...	...	11	...	...	...	...	...	11	
9	Lárkhána ...	.....	"John"... ...	Persian .	52	...	...	...	52	...	...	...	...	...	52	
	.....	"Moti"... ...	.....	Arab ...	...	...	...	...	...	...	...	...	...	...	...	
10	Jacobábád ..	.....	"Jack"... ...	Persian.	...	...	...	...	...	...	...	...	...	...	...	
	.....	.....	"Socrates" ...	Do. ...	...	...	...	...	...	...	...	...	...	...	...	
11	Bhávnagar ...	.....	"Balaam" ...	Arab ...	33	...	...	...	33	...	...	...	...	...	33	State donkey.

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APPENDIX IX.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Annual Return of Stock in the Bombay Presidency during the official year ending 31st March 1885.

Details.	Government Horse Stallions.						Government Donkey Stallions.							Branded Mares, the property of Breeders.			Remarks.
	Thorough-bred English.	Half-bred English, including Norfolk Trotters.	Australian.	Arabs.	Pegu.	Total.	Spanish.	Bokhara.	Punjab.	Italian.	Persian.	Arab.	Total.	For Horse-Breeding.	For Pony-Breeding.	For Mule-Breeding.	
Increase. Balance on the 1st April 1884	6	10	1	61	1	79	1	1	2	3	3	5	15	2,229	220	276	
Increase. Received from England	2	2	..	..	..	4	..	..	..	..	..	..	..	..	..	..	
Increase. Presented to Government	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	
Increase. Purchased in India	..	..	..	10	..	10	..	..	..	..	..	..	..	..	..	..	
Increase. Received from Punjab	..	..	..	..	..	..	..	..	..	2	..	..	2	..	..	..	
Increase. Branded during the year	..	..	..	..	..	..	..	..	..	..	..	..	..	475	116	0	
Total	8	12	1	72	1	94	1	1	2	5	3	5	17	2,704	336	276	
Decrease. Died	..	1	..	3	1	5	..	..	..	..	..	..	..	17	..	6	
Decrease. Destroyed	..	..	..	6	..	6	..	..	..	..	..	..	..	..	..	..	
Decrease. Sold	..	..	..	8	..	8	..	..	..	..	..	2	2	5	..	..	
Decrease. Transferred to Italian	..	..	..	..	..	..	..	..	2	..	..	..	2	..	..	..	
Total, Decrease	..	1	..	17	1	19	..	..	2	..	..	2	4	22	..	6	
Balance on 31st March 1885	8	11	1	55	..	75	1	1	..	5	3	3	13	2,682	336	270	
Total of each Class	75						13							2,682	336	270	

J. K. GRAINGER,
Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIX X.

GOVERNMENT OF BOMBAY.

HORSE-BREEDING OPERATIONS.

Statement showing total number of Mares inspected, approved and branded ↑ on the near Shoulder and the same on the near Hind Quarter, and D, the number of Mares whose Owners declined the Brand for Horse, Pony, or Mule-Breeding since the System of Branding was commenced up to 31st March 1885.

Provinces.	Total number of Mares inspected.	Total number of Mares approved and branded.				Number of Mares rejected or refused the Brand.	Remarks.
		For Horse-Breeding.		For Mule-Breeding.	Total.		
		Horse.	Pony.				
Deccan...	1,979	732	88	140	960	1,019	
Gujarát and Káthiáwár ...	2,897	1,076	234	33	1,343	1,554	
Sind and Cutch	1,543	840	15	108	963	580	
Beluchistán	178	79	...	...	79	99	
Total ...	6,597	2,727	337	281	3,345	3,252	

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Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIX XI.

GOVERNMENT OF BOMBAY.

Horse-Breeding Operations.

General Statement showing the results of the year's Operations during the official year 1884-85.

Provinces.	Number of branded Mares, the property of Breeders, remaining on the Register on the 31st March 1885.	Number of branded and unbranded Mares, the property of Breeders, covered by Government Stallions.		Number of Government Horse Stallions employed at Stud work.		Average number of branded and unbranded Mares covered in 1884-85 per Stallion employed during the year.	Number of Stock, the property of Breeders, got by Government Stallions foaled during 1884-85, the results of coverings of 1883-84.											Number of Mares covered in 1883-84, the results of which are known.	Number of Government Stallions employed in 1883-84, the results of which with regard to coverings are known.	Percentage of produce foaled during 1884-85 to Mares covered in 1883-84.	Average number of produce foaled during 1884-85 per Stallion employed at Stud work in 1883-84.	Remarks.
							Colts.						Fillies.									
		During 1883-84.	During 1884-85.	During 1883-84.	During 1884-85.		By thorough-bred English.	By half-bred English, including Norfolk Trotters.	Australian.	Arab.	Pegu.	Total.	By thorough-bred English.	By half-bred English, including Norfolk Trotters.	Australian.	Arab.	Pegu.	Total.	Grand Total.					
Deccan and Khándesh ..	776	1,008	*902	38·43	35·90	25·12	7	9	..	139	2	157	11	26	..	150	3	190	347	848	30·43	40·91	11·40	*Khándesh returns not received.
Gujarát and Káthiáwár .	1,308	330	271	10·88	11·36	23·85	5	..	..	26	..	31	3	3	..	34	..	40	71	280	8·88	25·35	7·99	
Sind and Cutch	855	454	596	14·69	12·78	46·63	..	1	3	15	..	19	..	1	1	13	..	15	34	195	6·69	17·43	5·08	
Beluchistán	79	..	115	..	3·00	38·3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Total ..	3,018	1,792	1,884	64·00	63·04	29·88	12	10	3	180	2	207	14	30	1	197	3	245	452	1,323	46·00	34·16	9·82	

J. K. GRAINGER,
Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIX XII.

GOVERNMENT OF BOMBAY.

Horse-Breeding Operations.

Statement showing the Number of Mares cast from Corps and Batteries and sold to bonâ fide *Breeders for breeding purposes during 1884-85.*

No.	Brand Number.	Colour.	From whence cast.		Date of Sale.	Sold for Horse or Mule-breeding.	Name of Purchaser.	Price.	Remarks.
			Corps and Batteries.	Stations.					
								Rs.	
1	D/80	Bay	D/B	Kirkee	8th November 1884.	Horse-breeding ..	Farrier Major Slade	140	
2	D/56	Do.	Do.	Do.	Do.	Do. ..	Mr. Futteh Mahomed	81	
3	D/59	Do.	Do.	Do.	Do.	Do. ..	Mr. Shaik Mahomed	71	
4	50	Do. .. .	F/B R. A.	Do.	22nd November 1884	Do. ..	Mr. Kooverji Ardessur	50	
5	64	Brown ..	Do.	Do.	Do.	Do. ..	G. M. Stewart, Esq.	95	
6	1	Black ..	E/1 R. A.	Do.	16th December 1884.	Do. ..	Mr. Kooverji Ardessur	28	
7	54	Chestnut ..	T/1 B. D. R. A. ..	Do.	Do.	Do. ..	Mr. W. Thomson	100	
8	44	Do. ..	Do. ..	Do.	Do.	Do. .	Mr. Futteh Mahomed	65	
9	62	Flea-bitten Grey.	Do. ..	Do. .. .	Do.	Do. ..	Mr. Kooverji Ardessur	42	
10	9	Black .	Do. ..	Do.	Do.	Do. ..	Mr. Peerosha Barjorji	45	
11	109	Bay	G/2 R. A.	Belgaum	23rd December 1884.	Do . ..	Mr. Kooverji Ardessur	90	
12	71	Do.	Do.	Do.	Do.	Do. ..	Mr. Gangadhar Vinayek ..	47	
13	18	Blue Roan ..	Do.	Do.	Do.	Do. ..	Mr. Kooverji Ardessur	100	
14	42	Chestnut ..	F/1 R. A.	Kirkee	7th March 1885 ..	Do. ..	Mr. Ramjankhan	30	
15	Unknown..	Brown ..	E/2 R. A.	Karáchi	5th August 1884 ..	Do. ..	Unknown	51	
16	Do. ..	Do. ..	C/2 R. A.	Hyderabad	3rd March 1885 ..	Do . ..	Khán Bahádur Gharamkhan ..	30	
17	Do. ..	Do. ..	Do.	Do.	Do. ..	Do. ..	Ditto	30	
18	Do. ..	Bay	E/2 R. A.	Karáchi	7th March 1884 ..	Do. ..	Mr. Jameson	55	

Province.	Number of Mares.	Amount.	Average.
		Rs. a. p.	Rs. a. p.
Deccan	14	984 0 0	70 4 6½
Sind	4	166 0 0	41 8 0
Total ..	18	1,150 0 0	63 14 2⅔

J. K. GRAINGER,
Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIXX III.

GOVERNMENT OF BOMBAY.

Horse-Breeding Operations.

Statement of Remounts purchased during the official year 1884-85.

	Number of Remounts purchased.				Details.			Remarks.
	Horses.	Mares.	Geldings.	Total.	Produce of Government Stallions.	Class of Sires not known.	Country-bred.	
Army Remount Department. From 4 to 8 years of age ...	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.	
Army Remount Department. „ 1 to 4 years of age ...								
Bombay Native Cavalry	37	11	7	55	...	....	55	
Police, Northern Division	59	3	6	68	7	29	32	
„ Central „	16	5	...	21	5	15	1	
„ Southern „	11	3	1	15	1	6	8	
„ in Sind „	102	25	...	127	4	...	123	
	225	47	14	286	17	50	219	

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APPENDIX XIV.

GOVERNMENT OF BOMBAY.

Horse-Breeding Operations.

Statement showing the number of Colts, the property of Zamindárs, castrated by District Salutris and Castrators in the Bombay Presidency Horse-Breeding Districts during the official year 1884-85.

Province.	District.	Number of Colts castrated.	Number of Deaths resulting from effects of Operations.	Remarks.
Deccan	Poona	16	.....	
,, ...	Ahmednagar	12	.....	
,, ...	Khándesh	10	.....	
Gujarát	Ahmedabad	32	.....	
Sind...	Shikárpur	12	.....	
Total ...	.....	82	.....	

J. K. GRAINGER,
Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIX XV.

GOVERNMENT OF BOMBAY.

Mule-Breeding Operations.

Statement of Donkey Stallions sold during the year 1884-85.

Serial Number.	Name.	Class.	Date of Sale.	Name of Purchaser.	Amount.	Remarks as to cause why considered unfit for Government Stud work.
					Rs. a. p.	
1	"Jang Bahádur" ...	Arab ...	10th November 1884 ...	K. B. Framji Ardesur.	60 0 0	Impotent.
2	"Lancer"	,, ...	8th ,, ,, ...	Enayet Khan ...	31 4 9	Do.
				Total ...	91 4 9	

J. K. GRAINGER,
Offg. Supt., Horse-Breeding Operations, Bombay Presidency.

APPENDIX XVI.

GOVERNMENT OF BOMBAY.

MULE-BREEDING OPERATIONS.

Statement showing Classification and Distribution of Donkey Stallions attached to the Department of Horse-Breeding Operations during the official year 1884-85.

Class.	Deccan.					Sind and Cutch.					Grand Total.	Remarks.
	Very good.	Good.	Fair.	Bad.	Total.	Very good.	Good.	Fair.	Bad.	Total.		
Spanish	...	1	...	...	1	...	...	...	...	...	1	
Arab	...	...	1	...	1	...	1	1	...	2	3	
Bokhara	...	...	...	...	...	1	...	...	...	1	1	
Persian	...	...	...	...	...	...	3	...	...	3	3	
Italian	1	...	1	...	2	3	...	...	...	3	5	
Total ...	1	1	2	...	4	4	4	1	...	9	13	

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APPENDIX XVII.

GOVERNMENT OF BOMBAY.

Mule-Breeding Operations.

Statement showing Cost of Feed, Keep, &c., &c., of Donkey Stallions during the official year 1884-85.

Provinces.	Districts.	Number of Stallions or Days.	Total Annual Cost.	Average per Donkey Stallion per Annum.	General Average in each Province.
			Rs. a. p.	Rs. a. p.	
Deccan	Sirúr	895	619 6 7	252 9 8¾	.....
	Ahmednagar	589	406 12 6	252 1 3¼	.....
	Khándesh	730	484 2 2	242 1 1	.....
	Total ...	2,214	1,510 5 3	.....	248 15 10½
Sind and Cutch ...	Bhúj	365	174 4 8	174 4 8	.....
	Umarkot	365	53 5 8	53 5 8	.....
	Hyderabad	494	545 11 2	403 3 1¾	.....
	Shikárpur	896	544 12 9	221 14 10	.....
	Jacobabad	365	272 6 10	272 6 10	.....
	Total ...	2,485	1,590 9 1	.....	233 9 11¾

ABSTRACT.

Deccan	248 15 10½
Sind and Cutch	233 9 11¾
General Average ...	240 13 10½

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